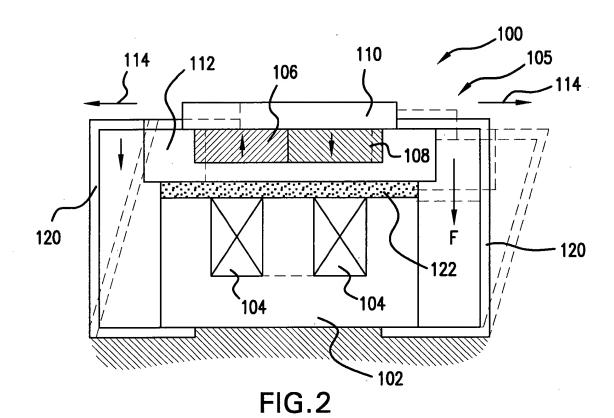
Application Serial No.: 09/608,130 MOVING MAGNET ACTUATOR FOR PROVIDING HAPTIC FEEDBACK Inventor: Erik J. Shahoian Express Mail No. EV 463 362 262 US SEP 2 9 200 HOST COMPUTER SYSTEM **AUDIO OUT-HEAR** SYSTEM CLOCK **PUT DEVICE** 21 16 20 **VIEW** HOST DISPLAY **PROCESSOR DEVICE** 22 24' **USER** 24 FORCE FEEDBACK INTERFACE DEVICE 36 26` LOCAL MICRO-SENSOR **SENSORS PROCESSOR INTER-FACE** 27 39 28 **FEEL** MEMORY **OTHER INPUT MANIPULANDUM CLOCK** MANIP-34 ULATE 29-38 **ACTUATOR SAFETY ACTUATORS INTERFACE SWITCH** 41 30 **POWER SUPPLY** 40

Figure 1



Inventor: Erik J. Shahoian





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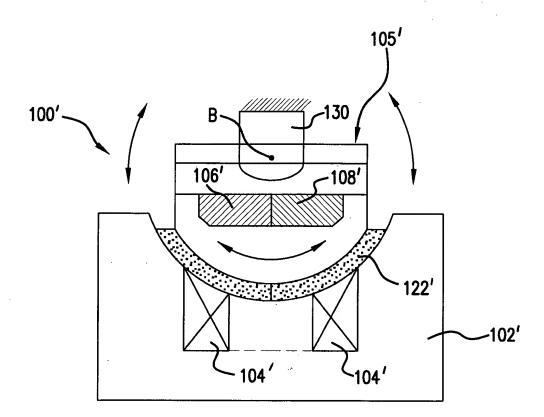
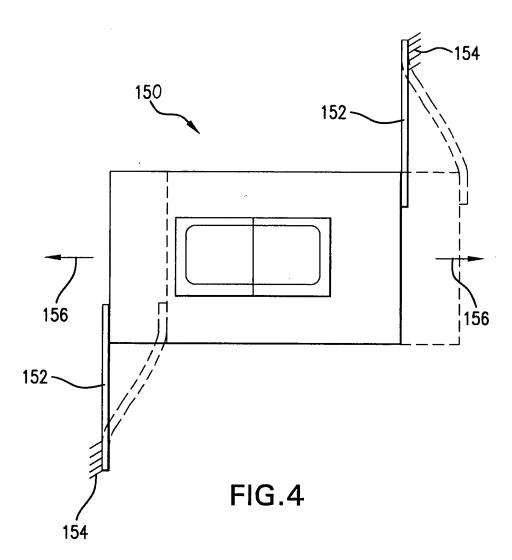


FIG.3



Inventor: Erik J. Shahoian





Inventor: Erik J. Shahoian

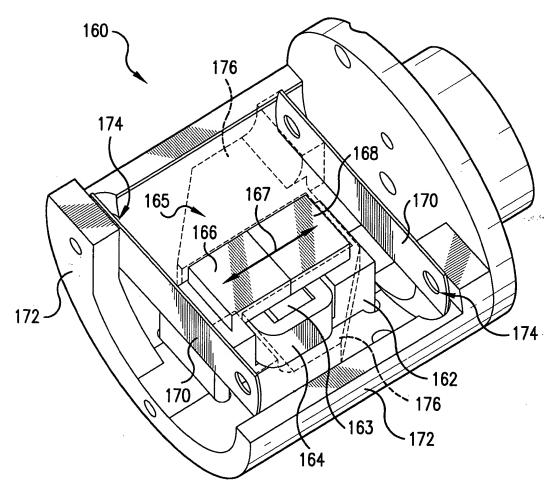


FIG.5